

5 **SYSTEM AND METHOD FOR COMMUNICATION OF KEYBOARD AND
TOUCHPAD INPUTS AS HID PACKETS EMBEDDED ON A SMBUS**

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ABSTRACT OF THE DISCLOSURE

10 Integrated pointing device and integrated keyboard inputs are accepted at a
microcontroller that formats the inputs to the HID protocol and embeds the HID
formatted inputs into SMBus messages for transfer over an SMBus to processing
components of an information handling system. A state machine at the information
handling system motherboard extracts the HID packets from the SMBus messages
and provides the HID packets to HID registers for use by processing components.
15 Keyboard and pointing device inputs communicated from integrated devices through
an SMBus may be treated as trusted data separate from non-trusted inputs through
external devices and buses.